



THE STATE  
of **ALASKA**  
GOVERNOR MIKE DUNLEAVY

**Department of Environmental  
Conservation**

DIVISION OF WATER  
Wastewater Discharge Authorization Program

555 Cordova Street  
Anchorage, AK 99501  
Main: 907.269-6285  
Fax: 907.334-2415

February 8, 2023

Dennis Gray, Jr.  
P.O. Box 360  
Hoonah, Alaska 99829

DEC File No. 1510.45.001

Re: Hoonah Wastewater Treatment Facility (WWTF) Authorization Modification

Dear Mr. Gray:

The Alaska Department of Environmental Conservation (DEC) has completed its review of the Notice of Intent for Hoonah WWTF and is hereby issuing the modified wastewater discharge authorization AKG572022. This modified authorization is effective February 8, 2023, and expires December 31, 2027.

Prior to discharge, please review your authorization and general permit AKG572000 to ensure that you understand the requirements contained within them. Please refer to Section 5 of this authorization for important information regarding Electronic Reporting Rule requirements. If you have any questions regarding this authorization or general permit, please contact the appropriate DEC staff contact located in Section 5 of this authorization.

Sincerely,

A handwritten signature in black ink that reads "Earl L. Crapps".

Earl L. Crapps  
Section Manager  
Domestic and Industrial Utilities  
Wastewater Discharge Authorization Program

Enclosures: General Permit and Fact Sheet AKG572000  
Modified Authorization AKG572022



# Alaska Department of Environmental Conservation

## Division of Water

### Authorization to Discharge- Modification #1

#### **AUTHORIZATION TO DISCHARGE UNDER THE ALASKA POLLUTANT ELIMINATION SYSTEM FOR SMALL PUBLICLY OWNED TREATMENT WORKS AND OTHER SMALL TREATMENT WORKS PROVIDING SECONDARY TREATMENT OF DOMESTIC WASTEWATER AND DISCHARGING TO SURFACE WATER**

**FACILITY ASSIGNED AUTHORIZATION NUMBER: AKG572022**

**GENERAL PERMIT NUMBER: AKG572000**

See this General Permit for all permit requirements.

The following facility is authorized to discharge in accordance with the terms of the State of Alaska General Permit AKG572000 and any site specific requirements listed in this authorization.

The authorization effective date is **February 8, 2023**

The authorization to discharge shall expire at midnight, **December 31, 2027**

The permittee shall reapply for a permit reissuance on or before **July 5, 2027**, 180 days prior to the expiration of the general permit.

#### **SECTION 1 – RESPONSIBLE PARTY**

Issued to: City of Hoonah

#### **SECTION 2 – FACILITY INFORMATION**

Facility Name: Hoonah Wastewater Treatment Facility

Facility Location: 322 Harbor Way, Hoonah, Alaska

Type of Facility: Secondary treatment, extended aeration

Outfall Location:

Latitude: 58° 6' 31" North

Longitude: 135° 26' 43" West

Waterbody Discharged to: Port Fredrick

Type of Disinfection: Chlorination

## SECTION 3 – OUTFALL 001 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Effluent Compliance Point: at the end of the treatment process prior to discharge to the Port Fredrick

Effluent Parameter	Units <sup>a</sup>	Average Monthly	Average Weekly	Maximum Daily	Minimum Daily	Sample Location	Sample Frequency	Sample Type
Total Discharge Flow	gpd	N/A	N/A	500,000	N/A	Effluent	1/day (5/week)	Measured
pH	s.u.	N/A	N/A	9.0	6.0	Effluent	1/day (5/week)	Grab
				Report	N/A	Receiving Waterbody <sup>b</sup>	1/quarter <sup>b, k</sup>	
Total Residual Chlorine (TRC) <sup>d</sup>	mg/L	0.5	N/A	1.0	N/A	Effluent	3/week	Grab
Dissolved Oxygen	mg/L	N/A	N/A	17	2	Effluent	1/week	Grab
5-Day Biochemical Oxygen Demand (BOD <sub>5</sub> )	mg/L	30	45	60	N/A	Effluent	2/month	24-hour Composite <sup>f</sup>
	lbs/day <sup>e</sup>	125	188	250	N/A			Calculated
BOD <sub>5</sub> Percent Removal <sup>g</sup>	%	85	N/A	N/A	N/A	Influent and Effluent <sup>h</sup>	2/month	Calculated
Total Suspended Solids (TSS)	mg/L	30	45	60	N/A	Effluent	2/month	24-hour Composite <sup>f</sup>
	lbs/day <sup>e</sup>	125	188	250	N/A			Calculated
TSS Percent Removal <sup>g</sup>	%	85	N/A	N/A	N/A	Influent and Effluent <sup>h</sup>	2/month	Calculated
Fecal Coliform Bacteria (FC)	FC/100 mL	200 <sup>i</sup>	400 <sup>i</sup>	800	N/A	Effluent	2/month	Grab
Enterococci (marine)	cfu/100 mL	Report <sup>i</sup>	N/A	Report	N/A	Effluent	1/month <sup>j</sup>	Grab
Total Ammonia as Nitrogen <sup>b</sup>	mg/L	N/A	N/A	Report	N/A	Effluent	1/month	Grab
Temperature <sup>b</sup>	° Celsius	N/A	N/A	Report	N/A	Receiving Waterbody	1/quarter <sup>b, k</sup>	Grab
Salinity <sup>b</sup>	grams per kilogram	N/A	N/A	Report	N/A	Receiving Waterbody	1/quarter <sup>b, k</sup>	Grab

**Footnotes:**

- a. Units: gpd = gallons per day, mg/L = milligrams per liter, lbs/day = pounds per day, S.U. = standard units, °C= degrees Celsius, FC/100 mL = Fecal Coliform per 100 milliliters, cfu/100 mL = colony forming units per 100 milliliters, µg/L = micrograms per liter.
- b. Monitoring for pH, temperature, and salinity should occur at approximately the same time as ammonia monitoring.
- c. Once per quarter means the time period of three months based on the calendar year: Jan-March, April-June, July-Sept, and Oct-Dec.
- d. Monitoring for TRC is not required if chlorine is not used as a disinfectant or introduced elsewhere in the treatment process.
- e. lbs/day = concentration (mg/L) x [flow (gpd)/1,000,000] x 8.34 (conversion factor)
- f. See Appendix C for a definition.
- g. Minimum % Removal = [(monthly average influent concentration in mg/L - monthly average effluent concentration in mg/L) / (monthly average influent concentration in mg/L)] x 100. The monthly average percent removal must be calculated using the arithmetic mean of the influent value and the arithmetic mean of the effluent value for that month.
- h. Limits apply to effluent. Report average monthly influent concentration. Influent and effluent composite samples shall be collected during the same 24 hour period.
- i. If more than one sample, FC and enterococci average results must be reported as the geometric mean. When calculating the geometric mean, replace all results of zero, 0, with a one, 1. The geometric mean of “n” quantities is the “nth” root of the quantities. For example the geometric mean of 100, 200, and 300 is  $(100 \times 200 \times 300)^{1/3} = 181.7$
- j. One sample shall be collected each month, May through September, on the same day as a fecal coliform sample is collected.
- k. Receiving waterbody sampling is required quarterly from May through October.

#### SECTION 4 – MIXING ZONE AUTHORIZATION

Mixing Zone Authorization: A mixing zone is authorized for fecal coliform bacteria, enterococci, total residual chlorine, dissolved oxygen, and pH.

The mixing zone size is defined as a 27 meter radius centered over the diffuser, from the end of pipe to the surface.

#### SECTION 5- Electronic Reporting (E-Reporting) Rule for Discharge Monitoring Reports (DMR)

The permittee must submit DMR data electronically through NetDMR per Phase I of the E-Reporting Rule (40 CFR 127) upon the effective date of the Permit. Authorized persons may access permit information by logging into the NetDMR Portal (<https://cdxnodengn.epa.gov/oeca-netdmr-web/action/login>). DMRs submitted in compliance with the E-Reporting Rule are not required to be submitted as described in Appendix A – Standard Conditions unless requested or approved by the Department. Any DMR data required by the Permit that cannot be reported in a NetDMR field (e.g. mixing zone receiving water data, etc...), shall be included as an attachment to the NetDMR submittal. DEC has established an e-Reporting Information website at <http://dec.alaska.gov/water/compliance/electronic-reporting-rule> that contains general information about this new reporting format. Training materials and webinars for NetDMR can be found at [https://usepa.servicenow.com/oeca\\_icis?id=netdmr\\_homepage](https://usepa.servicenow.com/oeca_icis?id=netdmr_homepage).

#### SECTION 6– DEC STAFF CONTACTS

If you have any technical questions regarding this authorization or the requirements of the general permit, please contact Amber Bennett at [amber.bennett@alaska.gov](mailto:amber.bennett@alaska.gov) or (907) 451-2190.

If you have questions regarding NetDMR, please contact Kirk Haug at [kurk.haug@alaska.gov](mailto:kurk.haug@alaska.gov) or (907) 465-5353.

If you have questions regarding compliance with any permit or authorization requirement, please contact Katrina Chambon at [katrina.chambon@alaska.gov](mailto:katrina.chambon@alaska.gov) or (907) 269-7550.

A permittee shall orally report any noncompliance event that may endanger health or the environment within 24 hours after the permittee becomes aware of the circumstances and in writing within five days after the permittee becomes aware of the circumstances. Please use the phone numbers and addresses below to report noncompliance events. Additional information regarding twenty-four hour reporting may be found in Appendix A of General Permit AKG572000. The required written follow-up notification can be sent via fax, email, or U.S. Postal Service.

Alaska Department of Environmental Conservation  
Attn: Compliance and Enforcement Program  
555 Cordova Street  
Anchorage, Alaska 99501

Toll Free Nationwide: 1-877-569-4114  
Anchorage or International: 1-907-269-4114  
Fax: 1-907-269-4604  
email: [dec-wqreporting@alaska.gov](mailto:dec-wqreporting@alaska.gov)

#### SECTION 7 – CERTIFICATION/SIGNATURE



February 8, 2023

Signature

Date

Earl L. Crapps

Section Manager Domestic & Industrial Utilities

Printed Name

Title